FD8371EV Fixed Dome Network Camera

Quick Installation Guide

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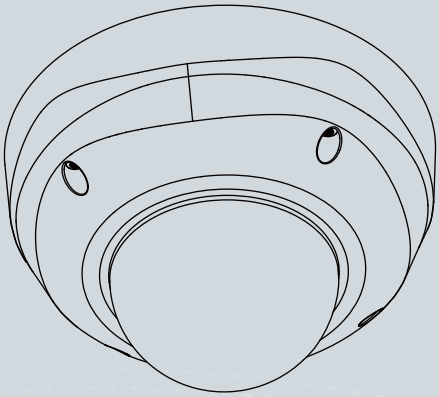
3MP • 20M IR • Smart Focus System • IP66



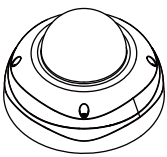
use-IP
www.use-ip.co.uk
01304 827609

Warning Before Installation

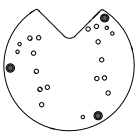
- Power off the Network Camera as soon as smoke or unusual odors are detected.
- Do not place the Network Camera on unsteady surfaces.
- Do not insert sharp or tiny objects into the Network Camera.
- Refer to your user's manual for the operating temperature.
- Do not touch the Network Camera during a lightning storm.
- Do not drop the Network Camera.

1 Package Contents

- FD8371EV



- Mounting Plate



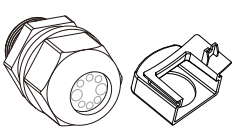
- Alignment Sticker / Ceiling Hole Template Sticker

- L-type Hex Key Wrench / Dessicant Bag / DC Connector / Screws / Hex Nut / Double-sided Tape / AV Cable

- Quick Installation Guide / Warranty Card

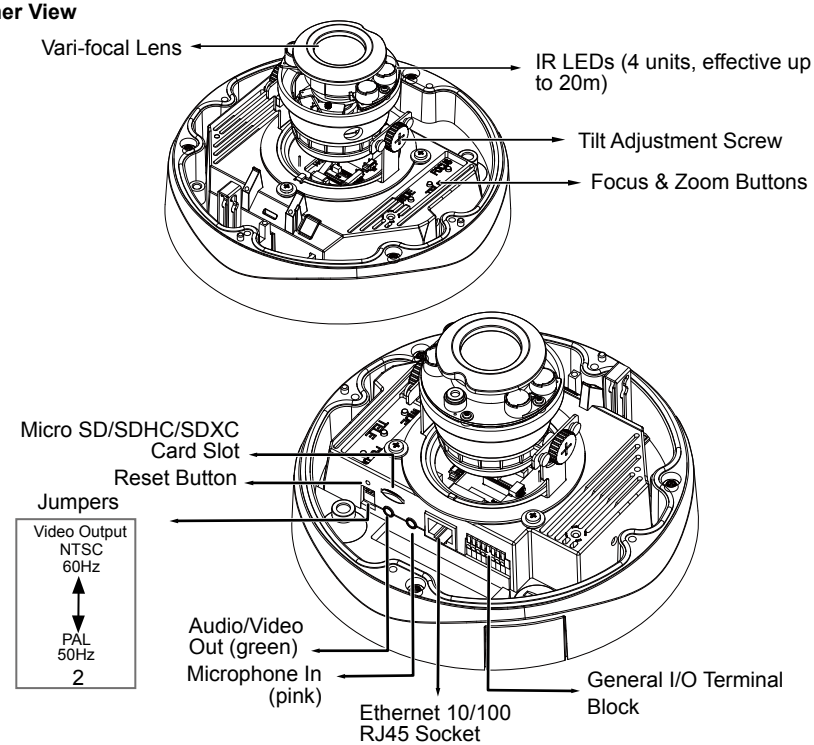
- Software CD

- Waterproof Connector & Bushing



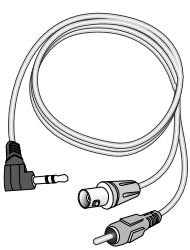
2 Physical Description

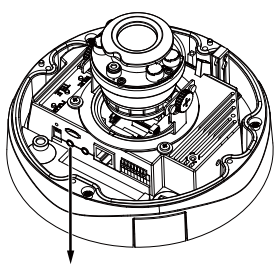
Inner View



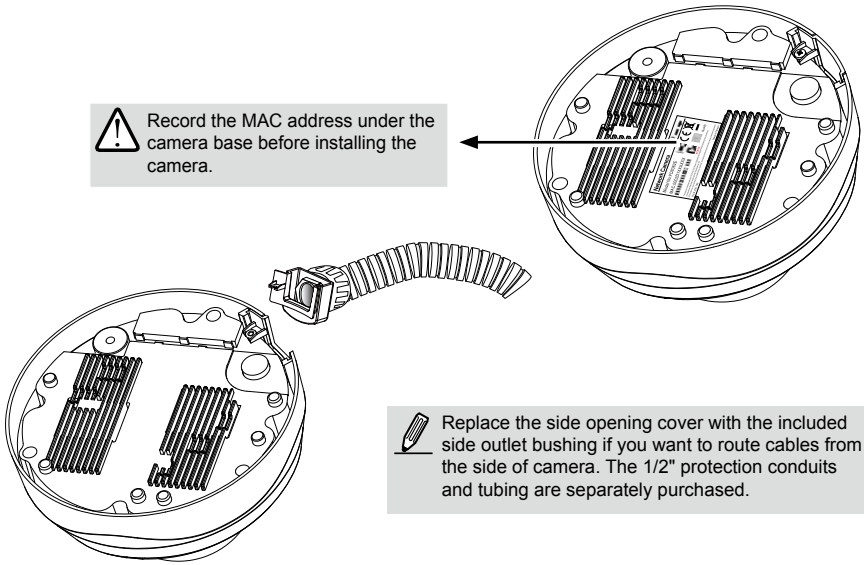
1. There is no internal microphone. Connect an external microphone if you need audio inputs.
2. Use the included AV cable to connect to a camera tester or LCD monitor to begin initial setup.

LCD Monitor/
Camera tester





AV Out



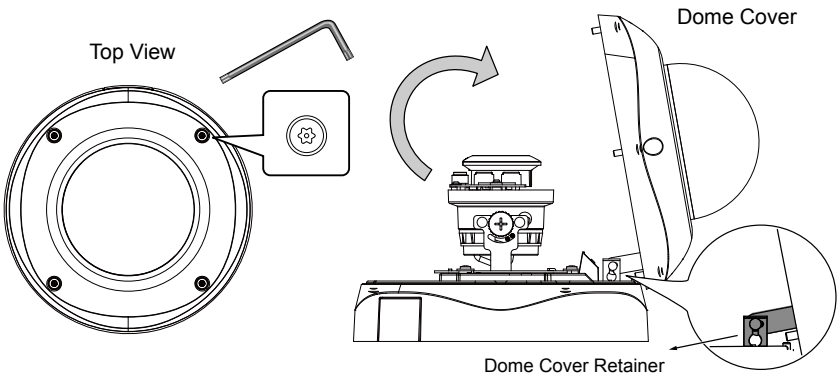
Record the MAC address under the camera base before installing the camera.

Replace the side opening cover with the included side outlet bushing if you want to route cables from the side of camera. The 1/2" protection conduits and tubing are separately purchased.

3 Hardware Installation

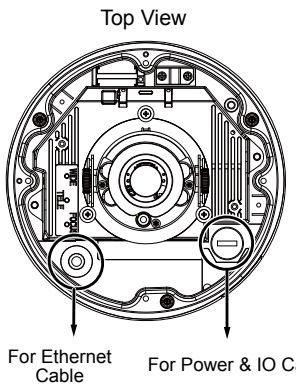
First, use the included T20 hex key wrench to loosen the four screws and detach the dome cover from the camera base. Follow the steps below to install the camera either to a ceiling or a wall.

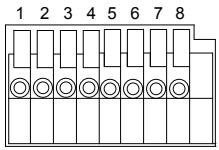
IMPORTANT: Dome cover should be removed because if it should fall during the installation process, physical injury could occur to your co-workers.



Cabling Assembly

Connect power lines and if you have external devices such as sensors and alarms, make the connection from the general I/O terminal block.





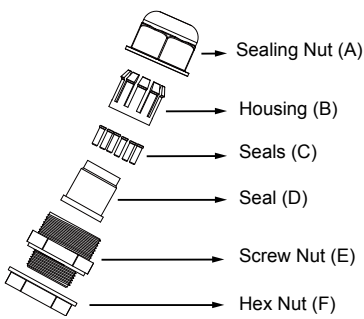
Pin Definitions

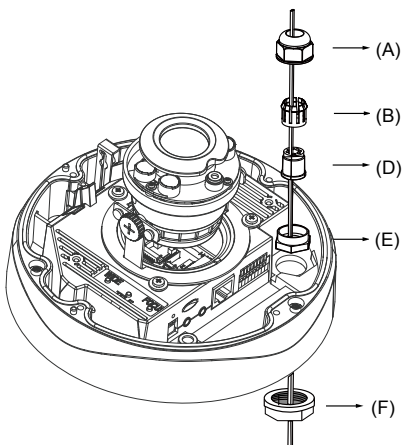
1	DC 12V-
2	DC 12V+
3	AC24V_2
4	AC24V_1
5	DI- (GND)
6	DI+
7	DO-
8	DO+ (+12V)

Power and IO cables pass through a waterproof connector. The Ethernet cable should be routed through a rubber seal plug. All cables are user-supplied.

1. The DO 12V output is not available when powered by PoE. It is available with 12V or 24V power source.
2. The max. load for power output pin 8, 12V DO, is 50mA.

Waterproof Connector





Assembling Steps

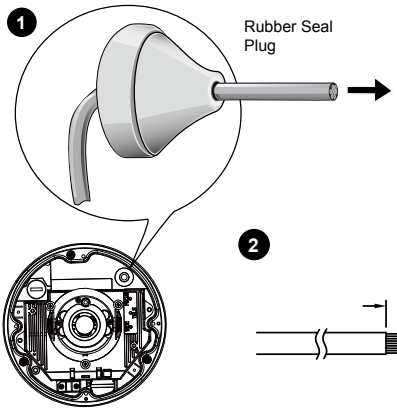
1. Disassemble the components of the waterproof connector into parts (A) ~ (F) as shown above.
2. Place the screw nut (E) on the Power and GPIO opening.
3. Feed the power cables through the waterproof connector (F --> E --> D --> B --> A) as the illustration shows. Then connect the power cables to the power source. Note: There are 8 holes on the seal (D), and the widest holes with a crack on the side are specific for power cables.
4. If you have external devices such as sensors and alarms, feed the cables through the waterproof connector (F --> E --> D --> B --> A) as previously described. Refer to the pin definition to connect them to the general I/O terminal block. Note: The recommended cable gauge is 2.0 ~ 2.8 mm.
5. Push the seal (D) into the housing (B).
6. Insert the seals (C) into unused holes on the seal (D) to avoid moisture.
7. Secure the sealing nut (A) tightly and hex nut (F) from the bottom of the camera.

Connecting RJ45 Ethernet Cable

RJ45 Cable Dimension (unit: mm)

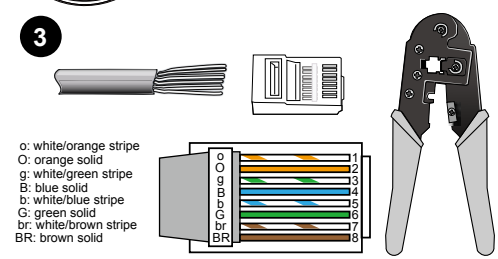
Recommended cable gauge: 24AWG (0.51 mm)

Assembling Steps

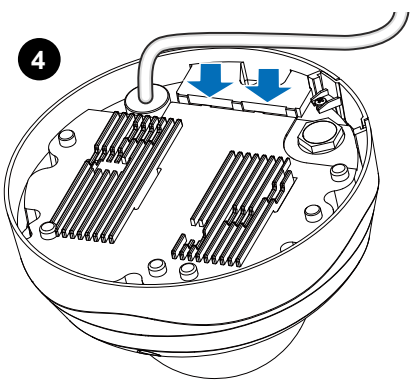


1. Drill a hole on the rubber seal plug and insert an Ethernet cable through the opening.

2. Strip part of the sheath from the Ethernet cable.



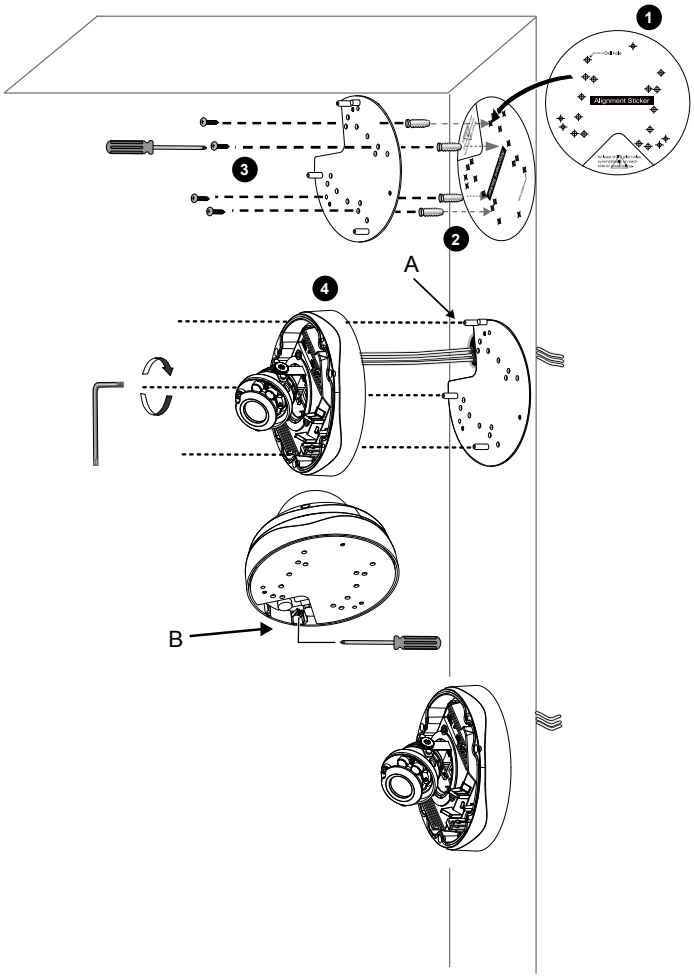
3. You will need an RJ45 crimping tool to attach the Ethernet wires to a connector. When done, connect the cable to the camera's Ethernet RJ45 socket.



4. Press the Ethernet cable into the routing path at the bottom of the camera so that the cable will not get in the way when the metal mounting plate is attached.

Mounting the Camera

1. Attach the supplied alignment sticker to the wall.
2. Using the circle marks on the sticker, drill at least 2 pilot holes symmetrically on each side into the wall. Then hammer the four supplied plastic anchors into the holes.
3. Through three or four holes on the mounting plate, insert the supplied screws into the corresponding holes and secure the mounting plate with a screwdriver.
4. Feed the cables through the triangular cutout A or side opening B. If you want to use hole B, remove the side cover using a screwdriver. Secure the camera base to the mounting plate with three supplied screws.



4 Assigning an IP Address

1. Install “Installation Wizard 2” from the Software Utility directory on the software CD.
2. The program will conduct an analysis of your network environment. After your network is analyzed, please click on the “Next” button to continue the program.
3. The program will search for VIVOTEK Video Receivers, Video Servers, and Network Cameras on the same LAN.
4. After a brief search, the main installer window will pop up. Double-click on the MAC address that matches the one printed on the camera label or the S/N number on the package box label to open a browser management session with the Network Camera.

5 Ready to Use

1. A browser session with the Network Camera should prompt as shown below.
2. You should be able to see live video from your camera. You may also install the 32-channel recording software from the software CD in a deployment consisting of multiple cameras. For its installation details, please refer to its related documents.

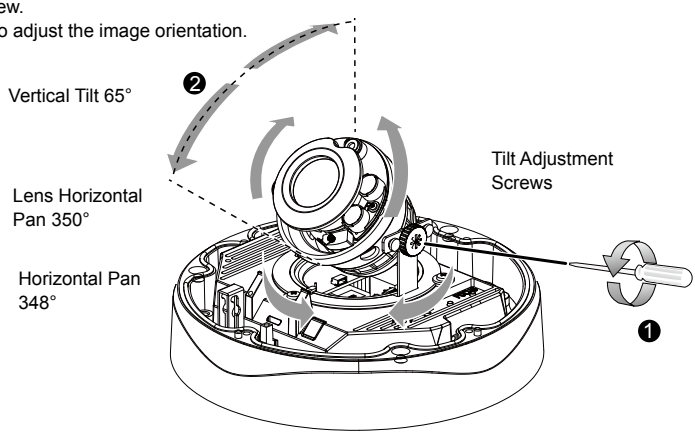
   For further setup, please refer to the user's manual on the software CD.

6 Adjusting the Lens

Based on the live image retrieved from the camera, adjust the camera lens by doing the following:

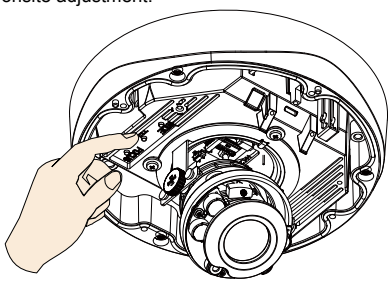
To adjust the viewing angle -- 3-axis mechanism design

1. Loosen the tilt adjustment screws and then turn the lens module up or down. Upon completion, tighten the screw.
2. Turn the lens to adjust the image orientation.



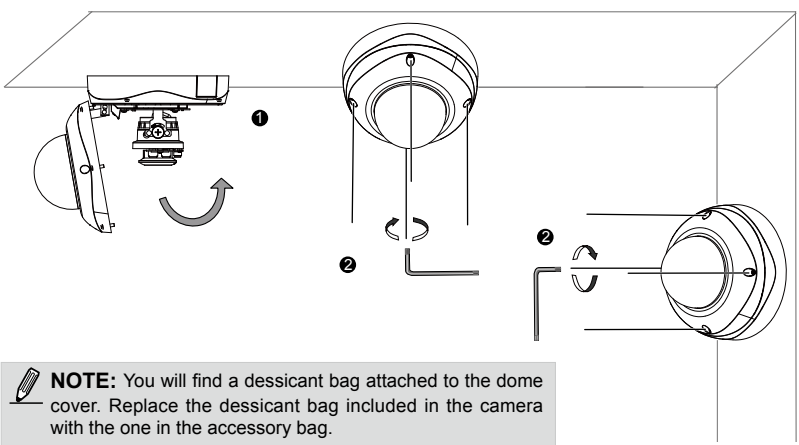
To adjust the zoom factor and focus range

1. The camera comes with a motorized vari-focal lens module. With a web console, you can enter the **Configuration** > **Media** > **Image** > **Focus** page to tune the image zoom and focus.
2. On this page, you can pull the **Zoom** and **Focus** pointers, set up a **Focus window**, and use the **Perform auto focus** button to automatically obtain an optimal focus result. You may also manually fine-tune zoom and focus using the various functional buttons. Please refer to your User Manual for more information.
3. You may also push the Auto Focus & Zoom buttons on the camera to obtain the same results especially when you are using camera tester for onsite adjustment.



7 Completion

1. Attach the dome cover to the camera by combining it to the retainer and aligning with the mounting holes.
2. Secure the four dome screws with the supplied hex key wrench. Make sure all parts of the camera are securely installed.



NOTE: You will find a dessicant bag attached to the dome cover. Replace the dessicant bag included in the camera with the one in the accessory bag.

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All specifications are subject to change without notice.
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